

The diagram illustrates a dual-band dual-radio access point configuration. A central horizontal line represents the 'Wired network'. Two separate Basic Service Sets (BSS) are connected to this network. BSS 1 (top) contains three stations (STA 1, STA 2, STA_i) connected to an Access Point (AP) labeled '2'. BSS 2 (bottom) contains two stations (STA 3, STA 4) connected to another AP labeled '2'. Both BSSs are labeled '802.11 MAC/PHY'.

Fig. 1 (a)

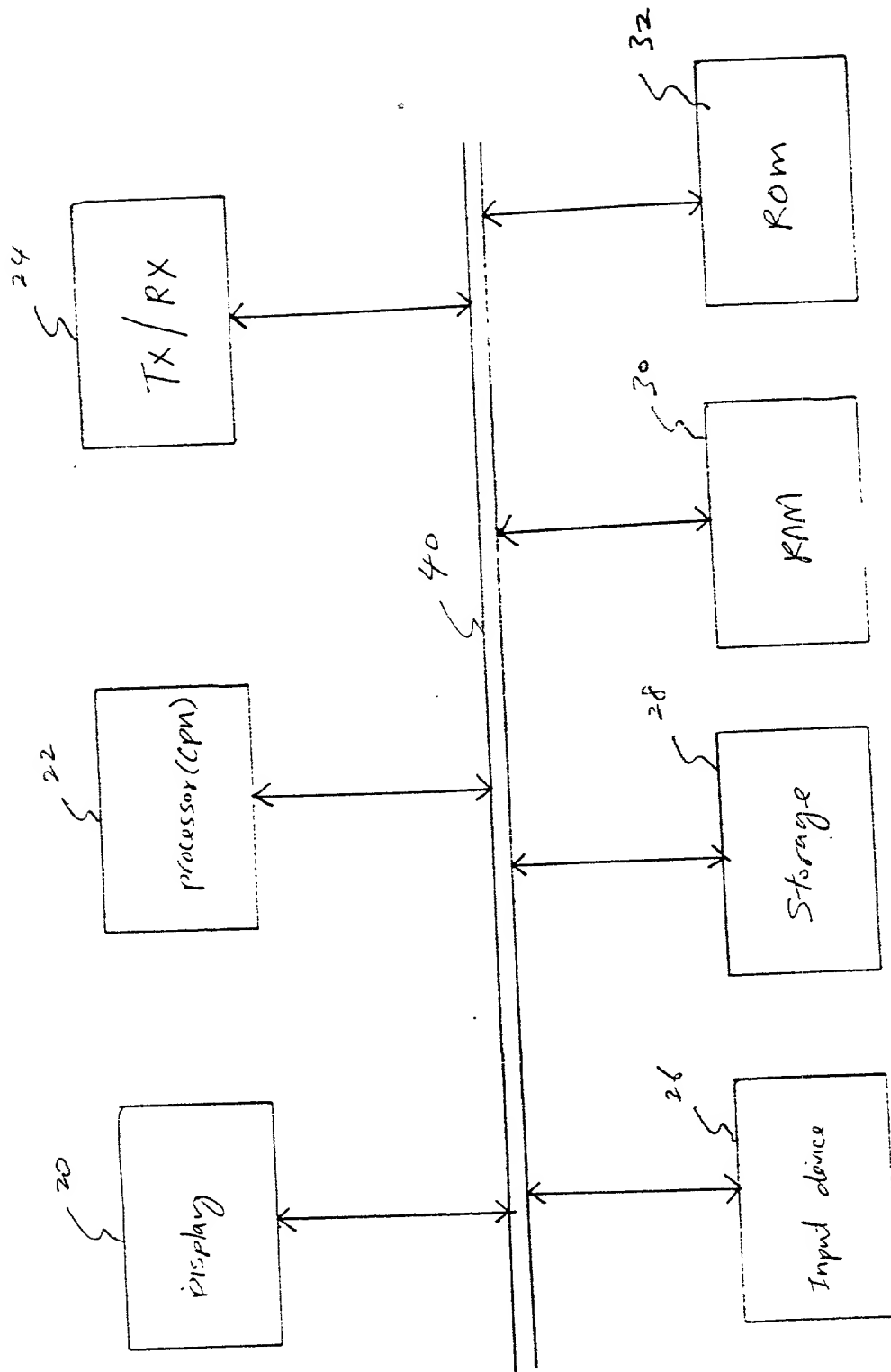


FIG. 1(b)

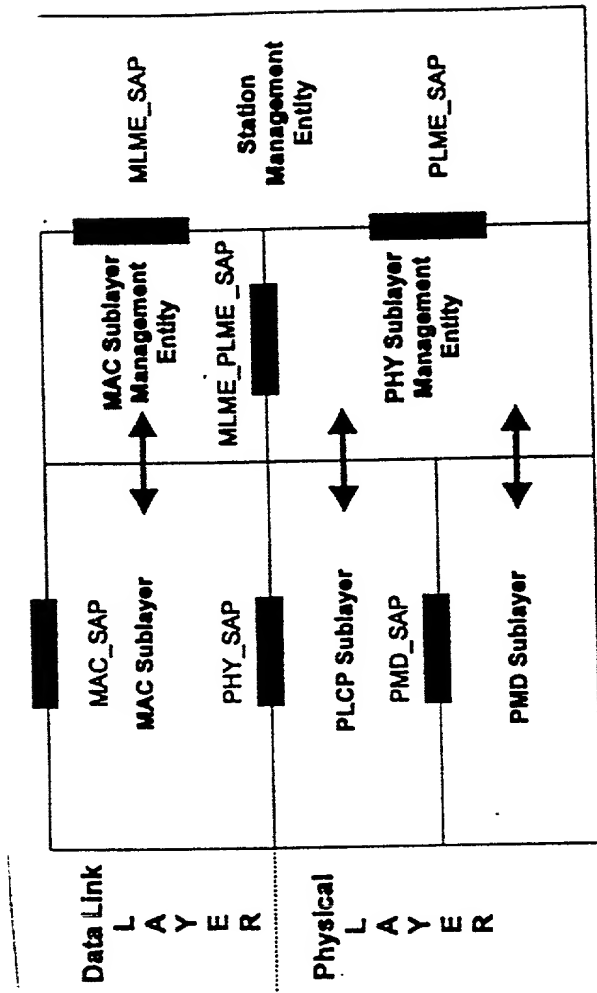


Fig. 2 (a)

TABLE 2-23

MLME-SCAN.request

(
 BSSType,
 BSSID,
 SSID,
 ScanType,
 ProbeDelay,
 ChannelList,
 MinChannelTime,
 MaxChannelTime
)

Name	Type	Valid range	Description
BSSType	Enumeration	INFRASTRUCTURE, INDEPENDENT, ANY_BSS	Determines whether Infrastructure BSS, Independent BSS, or both, are included in the scan
BSSID	MACaddress	Any valid individual or broadcast MAC address	Identifies a specific or broadcast BSSID
SSID	Octet string	0-32 octets	Specifies the desired SSID or the broadcast SSID
ScanType	Enumeration	ACTIVE, PASSIVE	Indicates either active or passive scanning
ProbeDelay	Integer	N/A	Delay (in μ s) to be used prior to transmitting a Probe frame during active scanning
ChannelList	Ordered set of integers	Each channel will be selected from the valid channel range for the appropriate PHY and carrier set.	Specifies a list of channels that are examined when scanning for a BSS
MinChannelTime	Integer	\geq ProbeDelay	The minimum time (in TU) to spend on each channel when scanning
MaxChannelTime	Integer	\geq MinChannelTime	The maximum time (in TU) to spend on each channel when scanning

Fig. 2 (b)

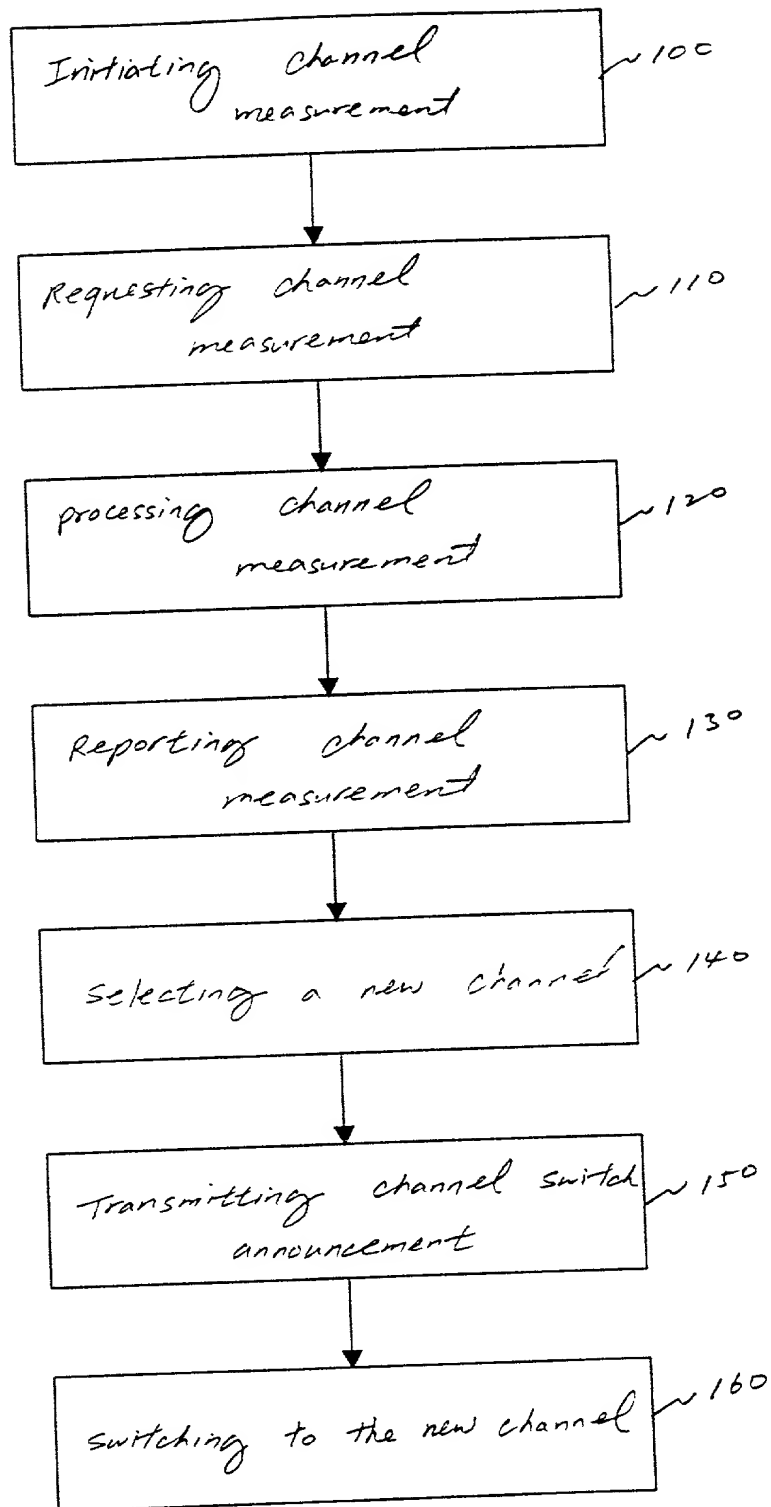


FIG 3

process for
initiating channel
measurement

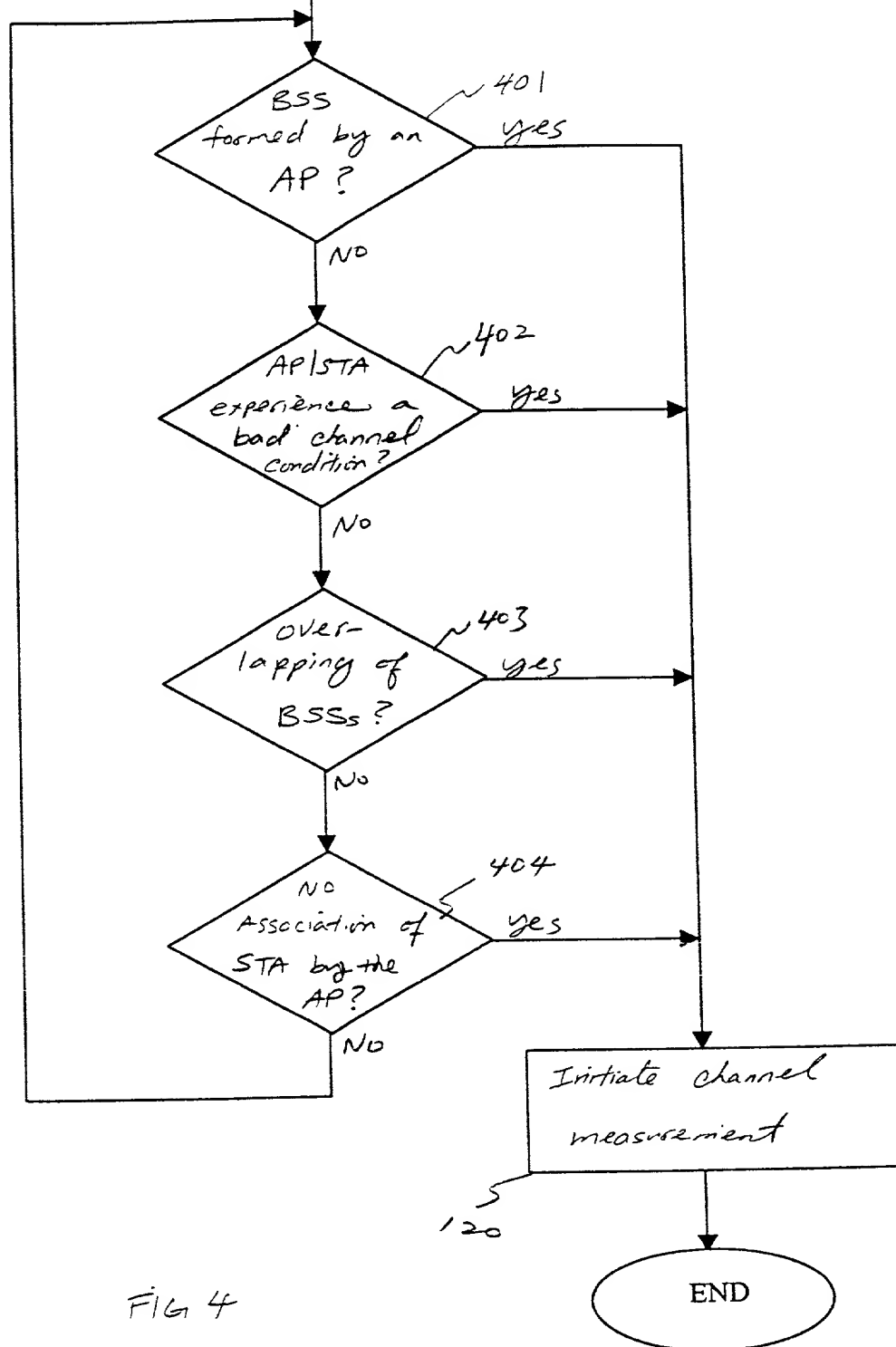


FIG 4

090020-1230660

Octets: 1	1	1	1	1 - n
Element ID (33 or any)	Length (3 - n+2)	Activation Delay	Measurement Duration	Channel Numbers

Basic Channel Measurement Method information element format

FIG. 5(a)

Octets: 1	1	1	1	1	1	1 - n
Element ID (34)	Length (5 - n+4)	Activation Delay	Measurement Duration	Measurement Offset	Non- Measurement Duration	Channel Numbers

CF Channel Measurement Method information element format

FIG 5(b)

processing
channel
measurement
by AP

Measuring channel
during a CFP

Measuring as AP
transmits RTS

Fig. 6(a)

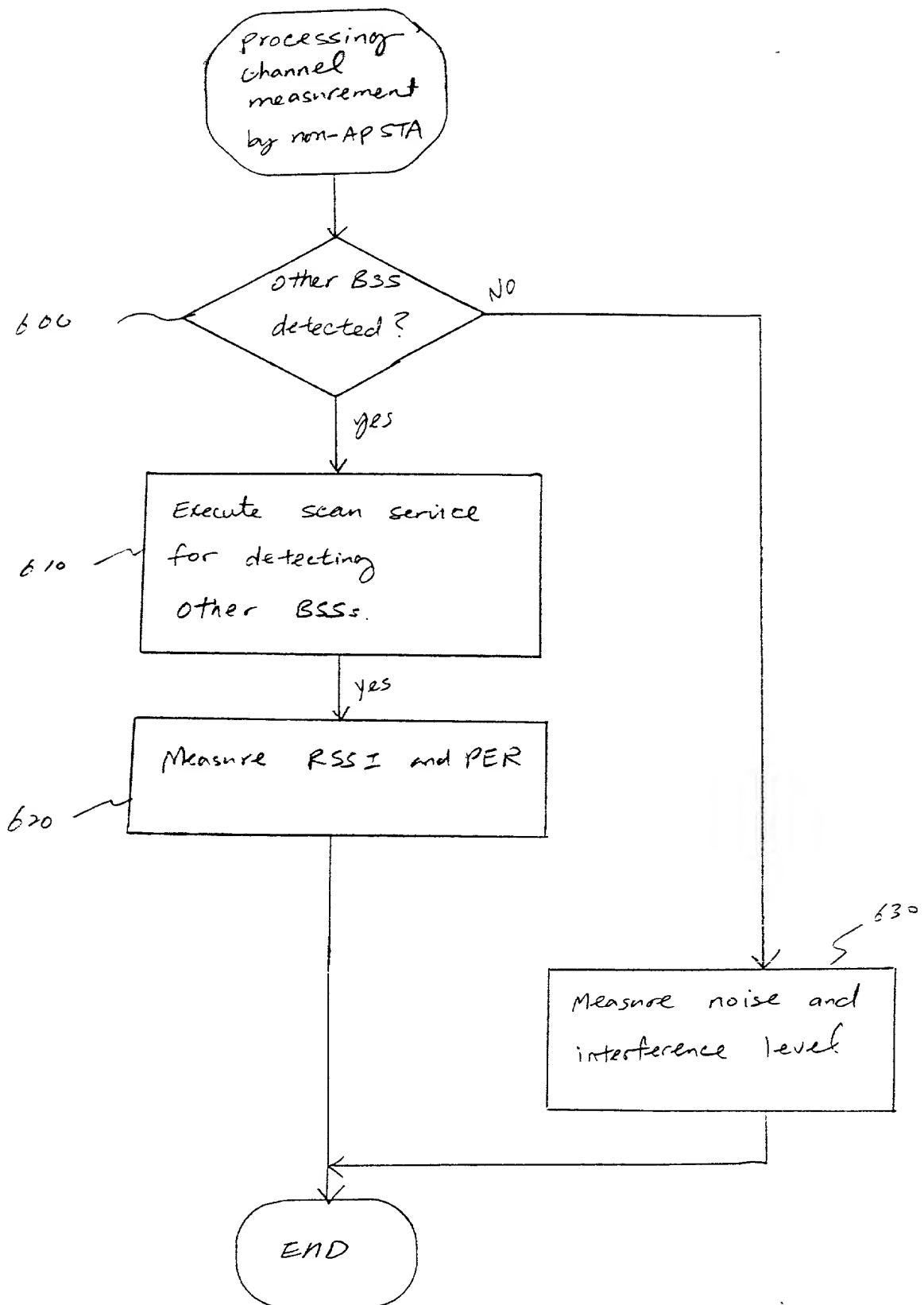


FIG 6(b)

TX06040-TX06050

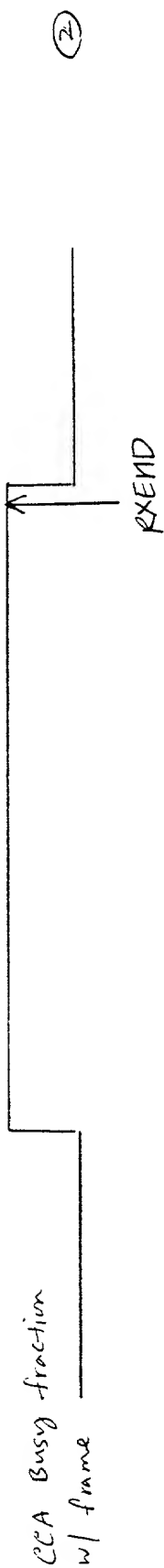
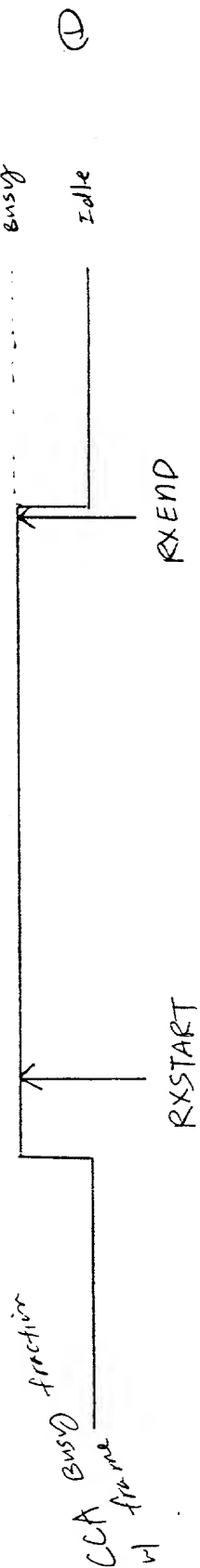


FIG. 6 (c)

Octets: 1	1	1	1
Element ID (35 or any)	Length (0 - 8*n)	Channel Number 1	Measurement Summary

Octets: 2	2	1	1
Number of frames received	Number of frames received in error	CCA Busy Fraction	Number of CCA busy <i>fraction</i> without frame reception

...

FIG. 7(a)

Bits: 1	1	1	5
BSS	CF	Beacon	RESERVED

FIG. 7(b)

Octets: 1	1	1	1
Element ID (32 or else)	Length (2)	Channel To Switch	Channel Switch Count

Channel Switch Announcement information element format

FIG. 8

00001071.070001